**Presentation**

**Plotly Visualization**

Hi, I will talk about Plotly Visualization as shown on the slide.

I have 3 visualizations. Dataset 1 shows the level of difference in happiness for each country in the top 10 of the happiest countries in the world. Happiness values ​​are not much different at the same high level.

Dataset 2 shows the life expectancy of the top 10 countries, however the highest happiness countries do not have the highest life expectancy even though the top 10 are still the highest life expectancy on average worldwide.

Dataset 3 shows the GDP, social support, and (Freedom to make life choice) values ​​for the top 10 countries of which the happiest countries weren't the highest of the three values, but overall the three values were out of the top 10 countries. They were still at the highest level.

The three Datasets of plotly are used to represent values ​​and is used to create a drop down menu for user driven interaction.

**Summary**

Our report uses happiness report data for 156 countries of the year 2019.

Visualization starting from the data using SQL database using Flask to connect data to process and display data to all of the charts. As for the chart we use D3 and plotly to display the data. We use drop down and links to each chart for user driven interaction. All reports are rendered through the website using HTML/CSS, JavaScript.